

Notice of Allowability

Application No.

10/750,930

Examiner

Charles Shedrick

Applicant(s)

KYUNG ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/16/06.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

Claims 1-27 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not teach a method of identifying a mobile terminal in a mobile communications network, the method comprising: determining an international mobile station identity (IMSI) for a mobile terminal, the IMSI comprising a mobile country code (MCC), a mobile network code (MNC) and a mobile station identifier number (MSIN); determining a first field having a first fixed length and containing the MCC; determining a second field having a second fixed length and containing at least a part of the MNC; determining a third field having a third fixed length containing the MSIN and at least one padding value, when length of the MSIN is less than the third fixed length, wherein when the length of the MNC is greater than the second fixed length, then the MNC is parsed into at least a first part and a second part, so that the second field comprises the first part and the third field comprises the MSIN and the second part; and wherein, when total length of the MSIN and the second part is less than the third fixed length, then at least one padding value is added to the third field; and transmitting the first, second and third fields to the mobile communications network

Prior art further does not teach a system using a data structure for identifying a mobile communications device in a cdma2000 network, the data structure comprising at least one of a first field, a second field, and a third field, wherein: the first field comprises an X-digit mobile country code (MCC) for identifying a country to which the mobile communications device belongs; the second field comprises a Y-digit mobile network code (MNC) for identifying a network to which the mobile communications device belongs, when Y is not greater than length

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of the second field; the second field comprises at least a first part of the Y-digit MNC, when Y is greater than length of the second field; and the third field comprises: a second part of the Y-digit MNC, when Y is greater than length of the second field; a Z-digit mobile station identification number (MSIN) for identifying the mobile communications device in the network; and padding bits, when Z+length of the second part of the Y-digit MNC is smaller than length of the third field (IMSI_S).

Prior art further does not teach 21, a method for identifying a mobile communications device in a mobile communications network, the method comprising: determining an identifier for a mobile communications device, the identifier comprising at least one of a first field, a second field, and a third field; including in the first field a mobile country code (MCC) for identifying a country to which the mobile communications device belongs; including in the second field a mobile network code (MNC) for identifying a network to which the mobile communications device belongs in the country; including in the third field a mobile station identification number MSIN for identifying the mobile communications device in the network; and including padding values in the third field when length of the MSIN is less than length of the third fields the padding values added to the most significant portion of the third field when the length of the MNC is not larger than length of the second field.

Rollender in view of 3GPP TGS-T Liason statement on “IPV6 update of stage 3 specifications” cited in the previous office action disclosed a method for identifying a mobile communications device in a mobile communications network, comprising: determining an identifier for a mobile communications device, the identifier comprising at least one of a first field, a second field, and a third field; including in the first field a mobile country code (MCC)

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for identifying a country to which the mobile communications device belongs; including in the second field a mobile network code (MNC) for identifying a network to which the mobile communications device belongs in the country; including in the third field a mobile station identification number (MSIN) for identifying the mobile communications device in the network including padding values in the third field, when length of the MSIN is less than length of the third field.

However, Rollender in view of 3GPP TGS-T Liason statement on “IPV6 update of stage 3 specifications”, does not teach the padding values added to the most significant portion of the third field when the length of the MNC is not larger than the length of the second field.

Therefore, claims 1-27 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Shedrick whose telephone number is (571)-272-8621. The examiner can normally be reached on Monday thru Friday 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kincaid Lester can be reached on (571)-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charles Shedrick
AU 2687
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NICK CORSARO
PRIMARY EXAMINER